

Attachment B

Indian Creek Precipitation Data

Attachment B presents precipitation data obtained from the National Climate Data Center (NCDC) online at: <https://gis.ncdc.noaa.gov/map/viewer/#app=cdo&cfg=obs&theme=ghcn>

Pages B-2 to B-4 present precipitation data from the Souderton, Pennsylvania gauge located within the Indian Creek watershed during July 1 to September 30, 2014. Pages B-5 to B-7 present precipitation data from the Quakertown, Pennsylvania CHCN gauge located approximately seven miles outside of the Indian Creek watershed during July 1 to September 30, 2014. Figure B-1 below depicts locations of the precipitation gauges in Souderton and Quakertown. Figure B-1 also depicts the location of the closest U.S. Geological Survey (USGS) flow gauge 01472810 located in the East Branch Perkiomen Creek near Schwenksville, PA, downstream of Indian Creek watershed.

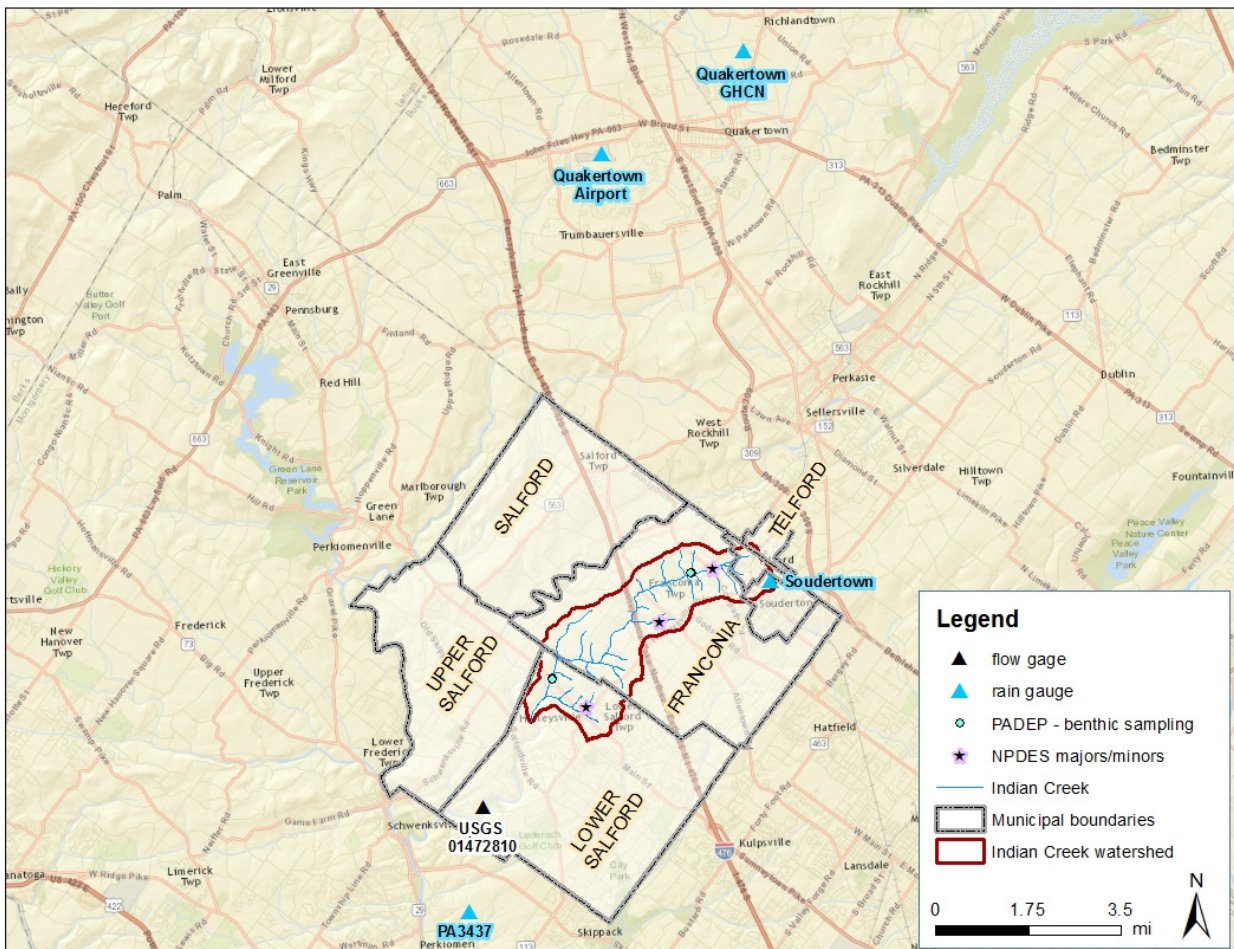


Figure B-1. Locations of precipitation and hydrologic flow gauges near the Indian Creek watershed.

Record of Climatological Observations
These data are quality controlled and may not be identical to the original observations.
Generated on 02/01/2016

Elev: 492 ft. Lat: 40.318° N Lon: 75.324° W
Station: SOUDERTON 0.6 NNW, PA US GHCND:US1PAMT0037
Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)			Precipitation(see **)					Evaporation		Soil Temperature (F)					
				24 hrs. ending at observation time		a t O b s e r v a t i o n	24 Hour Amounts ending at observation time				At Obs Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in depth			8 in dep h		
				Max.	Min.		Rain, melted snow, etc. (in)	F l a g	Snow, ice pellets, hail (in)	F l a g	Snow, ice pellets, hail, ice on ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
	2014	7	1																
	2014	7	2																
	2014	7	3				0.29												
	2014	7	4				0.51												
	2014	7	5				0.03												
	2014	7	6																
	2014	7	7																
	2014	7	8																
	2014	7	9				0.06												
	2014	7	10																
	2014	7	11				0.07												
	2014	7	12																
	2014	7	13																
	2014	7	14				0.24												
	2014	7	15				0.44												
	2014	7	16				0.34												
	2014	7	17																
	2014	7	18																
	2014	7	19																
	2014	7	20																
	2014	7	21																
	2014	7	22																
	2014	7	23																
	2014	7	24				0.51												
	2014	7	25																
	2014	7	26																
	2014	7	27				0.02												
	2014	7	28				1.19												
	2014	7	29																
	2014	7	30																
	2014	7	31																
Summary							3.70		0										

The "*" flags in Preliminary indicate the data have not completed processing and qualitycontrol and may not be identical to the original observation
Empty, or blank, cells indicate that a data observation was not reported.
*Ground Cover 1=Grass 2=Fallow 3=Bare Ground 4=Brome grass 5=Sod 6=Straw mulch 7=Grass muck 8=Bare muck 0=Unknown
"s" This data value failed one of NCDC's quality control tests.
"T" values in the Precipitation category above indicate a TRACE value was recorded.
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P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)			Precipitation(see **)					Evaporation		Soil Temperature (F)					
				24 hrs. ending at observation time		at O b s e r v a t i o n	24 Hour Amounts ending at observation time				At Obs Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in depth			8 in dep h		
				Max.	Min.		Rain, melted snow, etc. (in)	F l a g	Snow, ice pellets, hail (in)	F l a g	Snow, ice pellets, hail, ice on ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
	2014	8	1																
	2014	8	2				0.64												
	2014	8	3				0.11												
	2014	8	4																
	2014	8	5																
	2014	8	6																
	2014	8	7																
	2014	8	8																
	2014	8	9																
	2014	8	10																
	2014	8	11																
	2014	8	12				0.02												
	2014	8	13				0.50												
	2014	8	14																
	2014	8	15																
	2014	8	16																
	2014	8	17																
	2014	8	18																
	2014	8	19																
	2014	8	20																
	2014	8	21																
	2014	8	22				0.29												
	2014	8	23				0.12												
	2014	8	24				0.13												
	2014	8	25																
	2014	8	26																
	2014	8	27																
	2014	8	28																
	2014	8	29																
	2014	8	30																
	2014	8	31																
Summary							1.81		0										

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Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)		at O b s e r v a t i o n	Precipitation(see **)					Evaporation		Soil Temperature (F)					
				24 hrs. ending at observation time			24 Hour Amounts ending at observation time				At Obs Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in depth			8 in dep h		
				Max.	Min.		Rain, melted snow, etc. (in)	F l a g	Snow, ice pellets, hail (in)	F l a g	Snow, ice pellets, hail, ice on ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
	2014	9	1				0.22												
	2014	9	2																
	2014	9	3																
	2014	9	4																
	2014	9	5																
	2014	9	6																
	2014	9	7				2.01												
	2014	9	8																
	2014	9	9																
	2014	9	10																
	2014	9	11																
	2014	9	12																
	2014	9	13																
	2014	9	14				0.35												
	2014	9	15																
	2014	9	16				0.20												
	2014	9	17																
	2014	9	18																
	2014	9	19																
	2014	9	20																
	2014	9	21																
	2014	9	22																
	2014	9	23																
	2014	9	24																
	2014	9	25				0.27												
	2014	9	26				0.48												
	2014	9	27																
	2014	9	28																
	2014	9	29																
	2014	9	30																
Summary							3.53		0										

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Elev: 518 ft. Lat: 40.459° N Lon: 75.326° W
Station: **QUAKERTOWN 1.7 NE, PA US GHCND:US1PABK0027**
Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)			Precipitation(see **)					Evaporation		Soil Temperature (F)					
				24 hrs. ending at observation time		a t O b s e r v a t i o n	24 Hour Amounts ending at observation time				At Obs Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in depth			8 in dep h		
				Max.	Min.		Rain, melted snow, etc. (in)	F l a g	Snow, ice pellets, hail (in)	F l a g	Snow, ice pellets, hail, ice on ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
	2014	7	1				0.00												
	2014	7	2				0.00												
	2014	7	3				0.05												
	2014	7	4				0.29												
	2014	7	5				0.00												
	2014	7	6				0.00												
	2014	7	7				0.00		0.0										
	2014	7	8				0.07												
	2014	7	9				0.07												
	2014	7	10				0.00												
	2014	7	11				0.00												
	2014	7	12				0.00												
	2014	7	13				0.00												
	2014	7	14				1.04												
	2014	7	15				0.72												
	2014	7	16				0.56												
	2014	7	17				0.00												
	2014	7	18				0.00												
	2014	7	19				0.00												
	2014	7	20				T												
	2014	7	21				0.00												
	2014	7	22				0.00												
	2014	7	23				0.00												
	2014	7	24				0.65												
	2014	7	25				0.00		0.0										
	2014	7	26				0.00		0.0										
	2014	7	27				0.02												
	2014	7	28				0.98												
	2014	7	29				0.02												
	2014	7	30				0.00		0.0										
	2014	7	31				0.00		0.0										
Summary							4.47		0.0										

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Station: **QUAKERTOWN 1.7 NE, PA US** GHCND:US1PABK0027
Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)		a t O b s e r v a t i o n	Precipitation(see **)					Evaporation		Soil Temperature (F)					
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	2014	8	1				0.00		0.0										
	2014	8	2				0.14												
	2014	8	3				0.00		0.0										
	2014	8	4				0.00		0.0										
	2014	8	5				0.00												
	2014	8	6				0.00												
	2014	8	7				0.00												
	2014	8	8				0.00												
	2014	8	9				0.00												
	2014	8	10				0.00												
	2014	8	11				0.00												
	2014	8	12				0.04												
	2014	8	13				0.29												
	2014	8	14				0.04												
	2014	8	15				0.00												
	2014	8	16				0.00												
	2014	8	17				0.00												
	2014	8	18				0.06												
	2014	8	19				0.00												
	2014	8	20				0.00												
	2014	8	21				0.00												
	2014	8	22				0.40												
	2014	8	23				0.18												
	2014	8	24				0.10												
	2014	8	25				0.00		0.0										
	2014	8	26				0.00		0.0										
	2014	8	27				0.00		0.0										
	2014	8	28				0.00		0.0										
	2014	8	29				0.00		0.0										
	2014	8	30				0.00		0.0										
	2014	8	31				0.00		0.0										
Summary							1.25		0.0										

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Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

P r e l i m i n a r y	Y e a r	M o n t h	D a y	Temperature (F)			Precipitation(see **)					Evaporation		Soil Temperature (F)					
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	2014	9	1				0.39												
	2014	9	2				0.02												
	2014	9	3				0.02												
	2014	9	4				0.00		0.0										
	2014	9	5				0.00												
	2014	9	6				0.00												
	2014	9	7				0.26												
	2014	9	8				0.00												
	2014	9	9				0.00												
	2014	9	10				0.00												
	2014	9	11				0.00												
	2014	9	12				0.00												
	2014	9	13				0.00												
	2014	9	14				0.00												
	2014	9	15				0.00												
	2014	9	16				0.16												
	2014	9	17				0.00												
	2014	9	18				0.00												
	2014	9	19				0.00												
	2014	9	20				0.00												
	2014	9	21				0.00												
	2014	9	22				0.00												
	2014	9	23				0.00												
	2014	9	24				0.00												
	2014	9	25				0.14												
	2014	9	26				0.44												
	2014	9	27				0.00												
	2014	9	28				0.00												
	2014	9	29				0.00												
	2014	9	30				0.00												
Summary							1.43		0.0										

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